

AMENDMENTS TO THE CLAIMS

The listing of claims will replace the previous version, and the listing of the claims:

LISTING OF THE CLAIMS

1. (currently amended) A glass composition comprising:

65 wt.% to less than 74 wt.% SiO₂;

0-5 wt.% B₂O₃;

0.1-2.5 wt.% Al₂O₃;

0.4 to less than 2 wt.% MgO;

5-15 wt.% CaO;

0-10 wt.% SrO;

0-10 wt.% BaO wherein a total amount of MgO, CaO, SrO, and BaO is greater than 10 wt.% to 15 wt.%;

0-5 wt.% Li₂O;

10-18 wt.% Na₂O;

0-5 wt.% K₂O wherein a total amount of Li₂O, Na₂O and K₂O is 10-20 wt.%; and

0-0.40 wt.% TiO₂,

~~wherein when 65 wt.% to less than 74 wt.% SiO₂ is mixed with 0.4 to less than 2 wt.% MgO and 10 wt.% to 15 wt.% of the total amount of MgO, CaO, SrO, and BaO, the glass composition has surface compressive stress without reinforcing process a product of a mean linear expansion coefficient in a range of 50-350°C and Young's modulus is 0.71-0.90 MPa/°C, and a mean linear expansion coefficient in a range of 50-350°C is 80X10⁻⁷-110X10⁻⁷/°C.~~

2. (previously presented) A glass composition as claimed in claim 1, wherein the glass composition comprises:

65-70 wt.% SiO₂;

more than 0 wt.% and less than 2 wt.% B₂O₃, and

MgO, CaO, SrO and BaO in a total amount of more than 10 wt.% and less than 12 wt.%.

3. (currently amended) A glass composition as claimed in claim 1, further comprising 0.4-1.9 wt.% of a total ~~iron~~ iron oxide (T- Fe_2O_3) expressed as Fe_2O_3 , the glass composition with a thickness from 1 to 6 mm having a solar energy transmittance of not greater than 60% and ultraviolet transmittance of not greater than 30% defined by ISO.

4. (currently amended) A glass composition as claimed in claim 1, wherein the glass composition comprises 0.4-1 wt.% total ~~iron~~ iron oxide (T- Fe_2O_3) expressed as Fe_2O_3 and 0.01-0.40 wt.% TiO_2 and has a visible light transmittance of not smaller than 70% measured by the illuminant "A" with a thickness from 1 to 6 mm.

5. (currently amended) A glass composition as claimed in claim 1, wherein the glass composition comprises

0.4-0.65 wt.% total ~~iron~~ iron oxide (T- Fe_2O_3) expressed as Fe_2O_3 wherein a FeO ~~ration~~ ratio expressed as Fe_2O_3 against the total ~~iron~~ iron oxide (T- Fe_2O_3) is 20-60 wt.%;

more than 0.01 wt.% and less than 0.20 wt.% TiO_2 ; and

0.1-2.0 wt.% CeO_2 , and

wherein the glass composition with a thickness from 3.5 to 5.0 mm has a visible light transmittance of not smaller than 70 %, a solar energy transmittance of not greater than 55% and an ultraviolet transmittance of not greater than 15% defined by ISO when measured by using the illuminant "A".

6. (currently amended) A glass composition as claimed in claim 1, wherein the glass composition comprises:

greater than 0.65 wt.% and less than 0.90 wt.% total ~~iron~~ iron oxide (T- Fe_2O_3) expressed as Fe_2O_3 ;

0.01-0.40 wt.% TiO_2 ; and

greater than 1.4 wt.% and less than 2.0 wt.% CeO_2 ,

a FeO ~~ration~~ ratio expressed as Fe_2O_3 against the total ~~iron~~ iron oxide (T- Fe_2O_3) is 20-60 wt.%, and

the glass composition with a thickness from 1.8 to 4.0 mm has a visible light transmittance of not smaller than 70 %, a solar energy transmittance of not greater than 55% and an ultraviolet transmittance of not greater than 15% defined by ISO when measured by using the illuminant "A".

7. (previously presented) A glass composition as claimed in claim 1, wherein the glass composition further comprises:

less than 0.005 wt.% CoO;
less than 0.01 wt.% NiO; and
less than 0.001 wt.% Se.

8. (previously presented) A glass composition as claimed in claim 1, wherein the glass composition further comprises:

0.9-1.9 wt.% T- Fe_2O_3 ;
0.005-0.05 wt.% CoO;
0-0.2 wt.% NiO; and
0-0.005 wt.% Se.

9. (previously presented) A glass composition as claimed in claim 8, wherein the glass composition with a thickness from 1.8 to 5.0 mm has a visible light transmittance of 10-65%, a solar energy transmittance of not greater than 50% and an ultraviolet transmittance of not greater than 15% defined by ISO when measured by using the illuminant "A".

10-11. (cancelled)

12. (currently amended) A glass composition as claimed in claim 1, wherein a density measured at ~~an ambient~~ a room temperature is greater than 2.47 g/cm³ and not greater than 2.65 g/cm³.

13-14. (cancelled)